

SCS ENGINEERS

December 8, 2015
File No. 23212007.03

Ms. Tracy Buchanan
Ohio EPA Southwest District Office
401 East Fifth Street
Dayton, Ohio 45402-2911

Subject: Village of St. Bernard Landfill
Contingency Monitoring at MP-8F

Dear Ms. Buchanan:

This letter is intended to meet the 7-day reporting requirements contained in OAC 3745-27-12 (E)(5)(g)(i). The steps taken on behalf of the Village of St. Bernard at the closed St. Bernard Landfill to ensure the protection of human health and the environment include:

- The gas extraction system was checked to ensure it was working.
- The vacuum was increased in the EW-6S segment of the collection system. The EW-6S segment is the segment immediately adjacent, to the east of the EW-5S segment that is adjacent to MP-8F, which is located near the east end to the segment. The maximum available vacuum had already been applied to the EW-5S segment. The vacuum on the EW-6S segment was increased to attempt to capture any gas that was originating from east of the EW-5S segment.

No additional monitors are proposed at this time. All the adjacent residences are equipped with combustible gas alarms. The existing permanent monitors are sufficiently closely spaced that additional monitors are not needed.

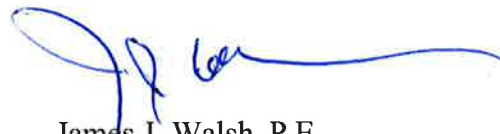
Enclosed please find the results of the initial contingency gas monitoring performed at MP-8F on December 8, 2015. Combustible gas concentrations above the compliance threshold were not detected at MP-8F. MP-8F had an initial concentration and a sustained concentration of 0 percent combustible gas.

Should you have any questions or comments, please contact the undersigned.

Sincerely,



Randall C. Mills, P.G.
Senior Project Professional
SCS ENGINEERS



James J. Walsh, P.E.
Principal
SCS ENGINEERS

cc: Chuck DeJonckheere, Hamilton County Public Health
Nick Schapman, GHD
Bill Burkhardt, Mayor, Village of St. Bernard

Enclosures

Compliance Probe Monitoring Form for St. Bernard Landfill

Date: <u>12/8/2015</u>	Sampler: <u>Randall Mills</u>
Instrument: <u>GEM 5000</u>	Weather: <u>partly cloudy, light breeze</u>
Calibration Prior to Sampling: <u>Yes</u>	Ambient Air Temperature (°F): <u>56</u>
Calibration Gas: <u>CH₄ 15%, CO₂ 15%, O₂ 4%</u>	Barometric Pressure (in Hg): <u>30.02</u>
Recalibration: <u>No</u>	Relative Humidity (%): <u>47</u>

Probe ID	Start Time	Stop Time	Gas Pressure (inches water)	Initial CH ₄ (% by Volume)	Sustained CH ₄ (% by Volume)	Depth to Water Level (feet below ground surface)	Depth to Top of Screen (feet below ground surface)	Open Screen# (feet)
MP-1							not known	
MP-7E							3	
MP-7H							2	
MP-8F	15:15	15:16	0.00	0	0	8.50	4	4.5
MP-9							2	
MP-10							2	
MP-16							2	
MP-17							2	

Notes:

Signature: Randall C. Mills

A zero or negative value indicates that the probe is watered in.